

DESIGN PANEL NO. 56 4-16-98

SYSTEM BUILD, PLATFORM BUILD AND LOAD PHASE 2 Atlas DP1 - John Copella

OVERVIEW

This thread continues definition and development of the processes and infrastructure required to support build up, configuration management, and installation of platform products and system software. The thread introduces the concept of *platform build*, which is a distinct process that supports, but is separate from *system build*.

The platform build process generates a Platform Configuration Identifier (PCID), which is a uniquely identified installable product consisting of the COTS operating system. Libraries, and tools necessary to support a specific platform architecture. A single PCID may support multiple system builds. Installation of a PCID onto a target machine results in a fully functional standalone computer system. But it is not until a subsystem-specific portion of an SCID is installed (see below) that the computer becomes functional as an RTPS subsystem.

The system build process, in contrast takes a PCID as input, extracts designated system software from the Configuration Management (CM) Repository, and generates a System Configuration Identifier (SCID). The SCID consists of one or more environment threads, one for each environment (e.g., Integrated Development or Operations) that is to be supported by the SCID. Each environment thread consists of a set of subsystem load baselines, one for each subsystem type supported within the corresponding environment (e.g., LDB Gateway, CCP, DDP, CCWS, development workstation).

Software making up the PCIDs and SCIDs migrate through various promotions stages as development and testing occur. Each promotion stage is associated with a different level of quality assurance.

ACTIONS

	<u>ACTIONEE</u>	<u>DUE DATE</u>	<u>STATUS</u>
1. Put SOW in SOWeze - update as required.	John Copella	4-30-98	In work
2. Add SOW items identified during review of the package	John Copella	4-30-98	In work
3. Determine how to tailor a load to an environment.	John Copella	4-30-98	In work
4. Establish a long term plan for the System Configuration Table	Kirk Lougheed	4-30-98	In work

DP1 will need to return to Design Panel

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